

Federal Aviation Administration
FY 2002 Office of Management and Budget Submission



A08a – Flight Deck/Maintenance/System Integration Human Factors Product and Activities	FY 2002 Request (\$000)	Program Schedule					
		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
081-110 Flightdeck/Maintenance/System Integration Human Factors							
Selection and Training	\$2,684						
Develop Automation Reconfigurable Event Sets		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Provide Guidance for Simulator Motion Requirements		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Develop/Distribute Advanced Data Analysis Methods Linking FOQA and Simulator Data		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Develop Training Guidelines for Flight Deck Error Management		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Develop Materials to Increase General Aviation Pilot Skills to Intervene in Accident Chain of Events		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Develop Error Avoidance Strategies in Aviation Maintenance and Inspection		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrate and Validate Effectiveness of MRM		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Human Performance Assessment	\$450						
Provide Expanded APMS Methodologies and Analysis Capabilities		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide Guidance on Effectiveness of Realistic Radio Communications in Line-oriented Evaluations		<input type="checkbox"/>	<input type="checkbox"/>				
Develop Improved Guidelines for Accident Investigations		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Human Centered Automation	\$1,850						
Provide Industry and FAA Guidance Addressing Training for Automated Cockpits		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Complete Certification Job Aid Version 2.0/3.0 for FAR Part 25 Flight Deck Displays		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Develop Certification Guidelines for Integrated Technology in General Aviation Cockpits		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Information Management and Display	\$1,750						
Complete Software Tools for Enhanced Maintenance Documentation		<input type="checkbox"/>	<input type="checkbox"/>				
Complete Human Factors Design and Evaluation for Electronic Flight Bags, Version 2.0/3.0		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Develop/Analyze General Aviation Head Up Display Information/Symbology Recommendations		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Address Human Factors Issues in Cockpit Head Motion Box in Air Transport Head Up Displays; Complete Computational Model to Assess Information Accessibility		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Determine Operational Criteria/Training Guidance for Night Vision Goggles in Rotorcraft Operations		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Determine Information Requirements for Situational Awareness to Avert CFIT in General Aviation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Define Display Location Boundaries that Correspond to Eye/Head Position for General Aviation Aircraft		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Personnel and Other Costs	\$3,289						
Total Budget Authority	\$10,023						

**Federal Aviation Administration
FY 2002 Office of the Secretary of Transportation
Budget Submission**

